

ABSTRACT OF THE DISCLOSURE

An image capture module and an image capture apparatus for inputting shape of an object in three dimensional space, including a light emitting section which emits light to the object for reflection by the object and imaging of reflected light on a photo-receiving plane of a reflected light image detecting section via an image capture optical system. The reflected light image detecting section detects a reflected light image indicative of a distribution of intensity of the reflected light. The light may be irradiated evenly to the object and the shape of the object may be detected correctly even if the object has irregularity by disposing the light emitting section closely to the image capture optical system. The object may be illuminated evenly by the light from a light emitting section having plural light emitting elements by disposing the light emitting elements symmetrically about the image capture optical system. The object may be illuminated more evenly by the light from the light emitting elements by using reflecting elements which surround respective light emitting elements and focus light toward the object.